



NEMAIS ERP

**(Navy Enterprise Maintenance Automated
Information System)**

SW RMC Brief

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USN**

15 Mar 2001



Agenda

- **ERP/NEMAIS Overview**
- **Phase 'A' Status**
- **Afloat**
- **Other ERP Projects**

Sep 3, 2016





ERP will help meet the Navy's ~~Priorities~~

SECDEF

- Readiness
- Deterrence
- Modernization
- Transformation
- Reform

CNO

- Manpower
- Current Readiness
- Future Readiness
- Quality of Service
- Navy-Wide Alignment

By . . .

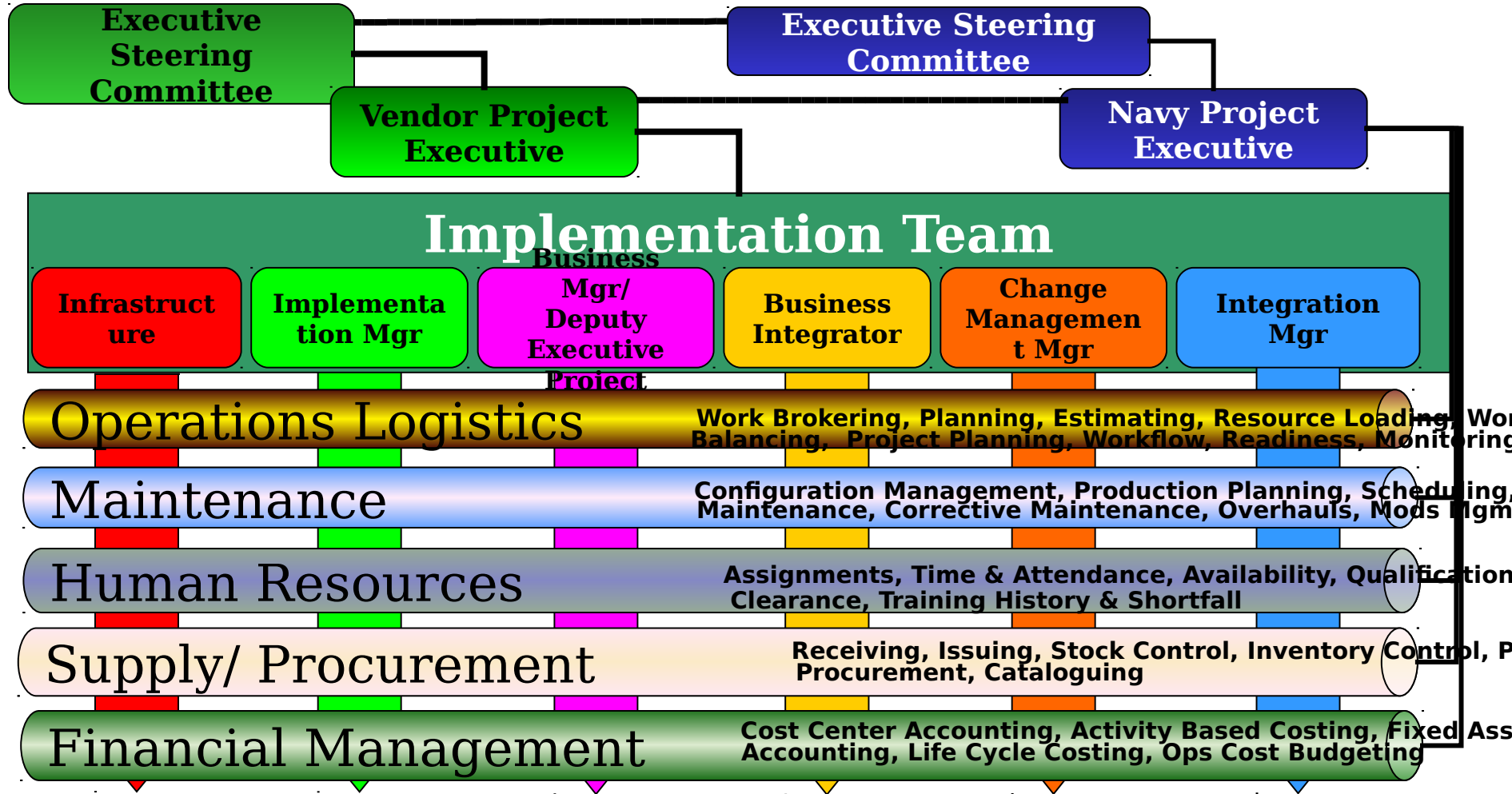
- Providing Timely and Rapid Access to Information
- Supporting Total Asset Visibility
- Enhancing the Planning & Scheduling Process
- Providing Better Decision Making Tools
- Reducing the Total Cost of Ownership
- Minimizing & Simplifying Data Collection

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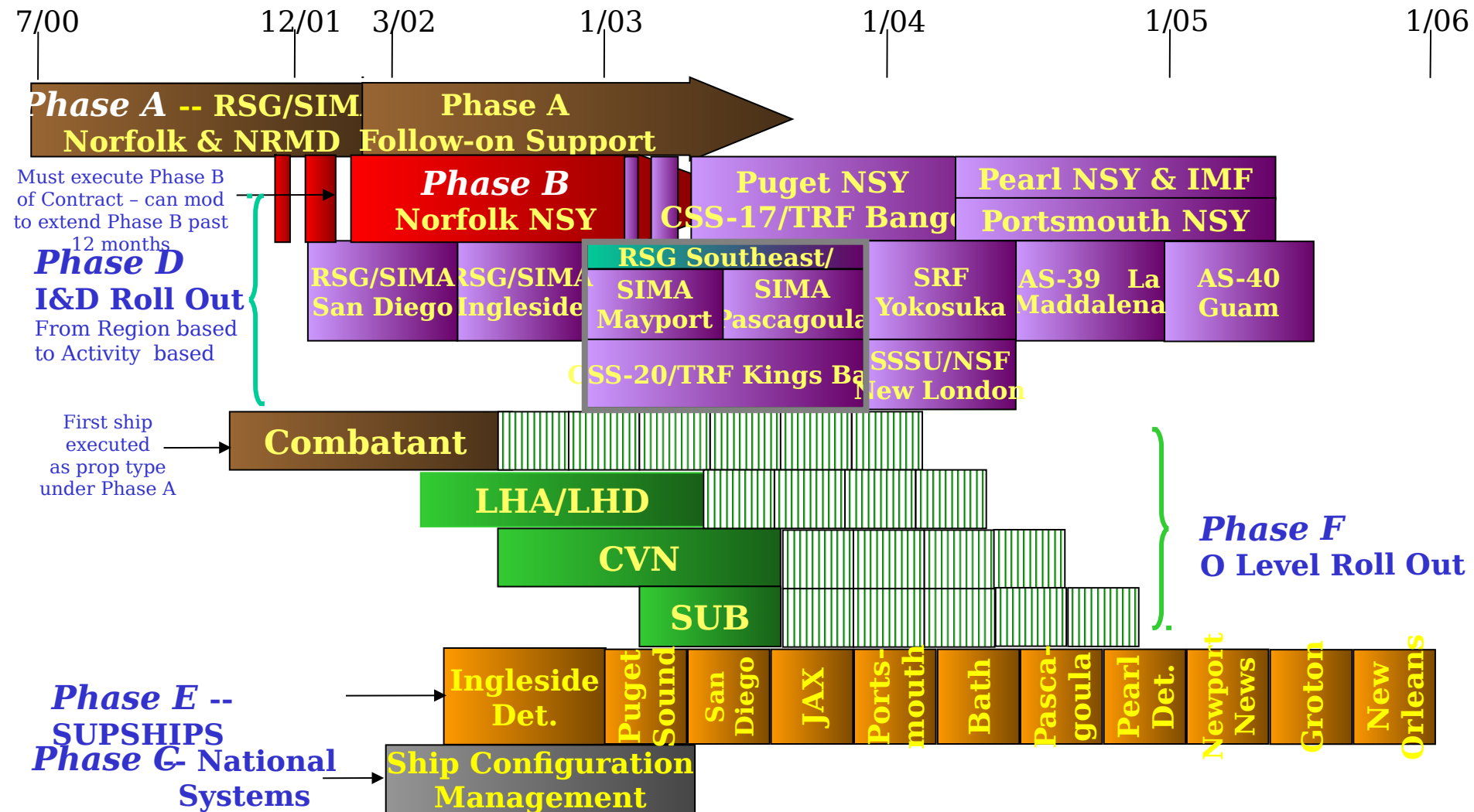


The NEMAIS Implementation Team





Notional Deployment Schedule

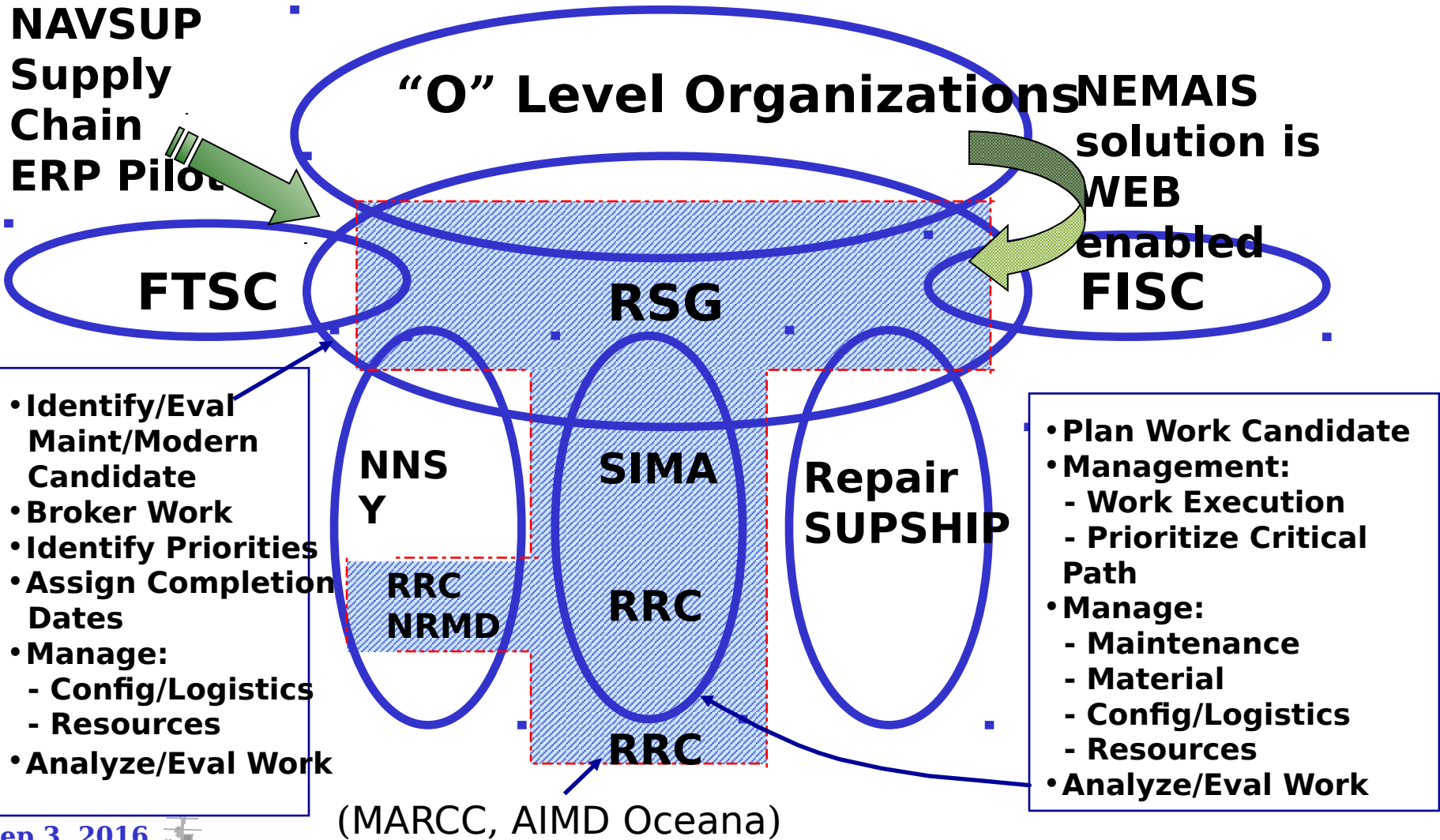


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NEMAIS - Scope of Phase A

NAVSUP
Supply
Chain
ERP Pilot



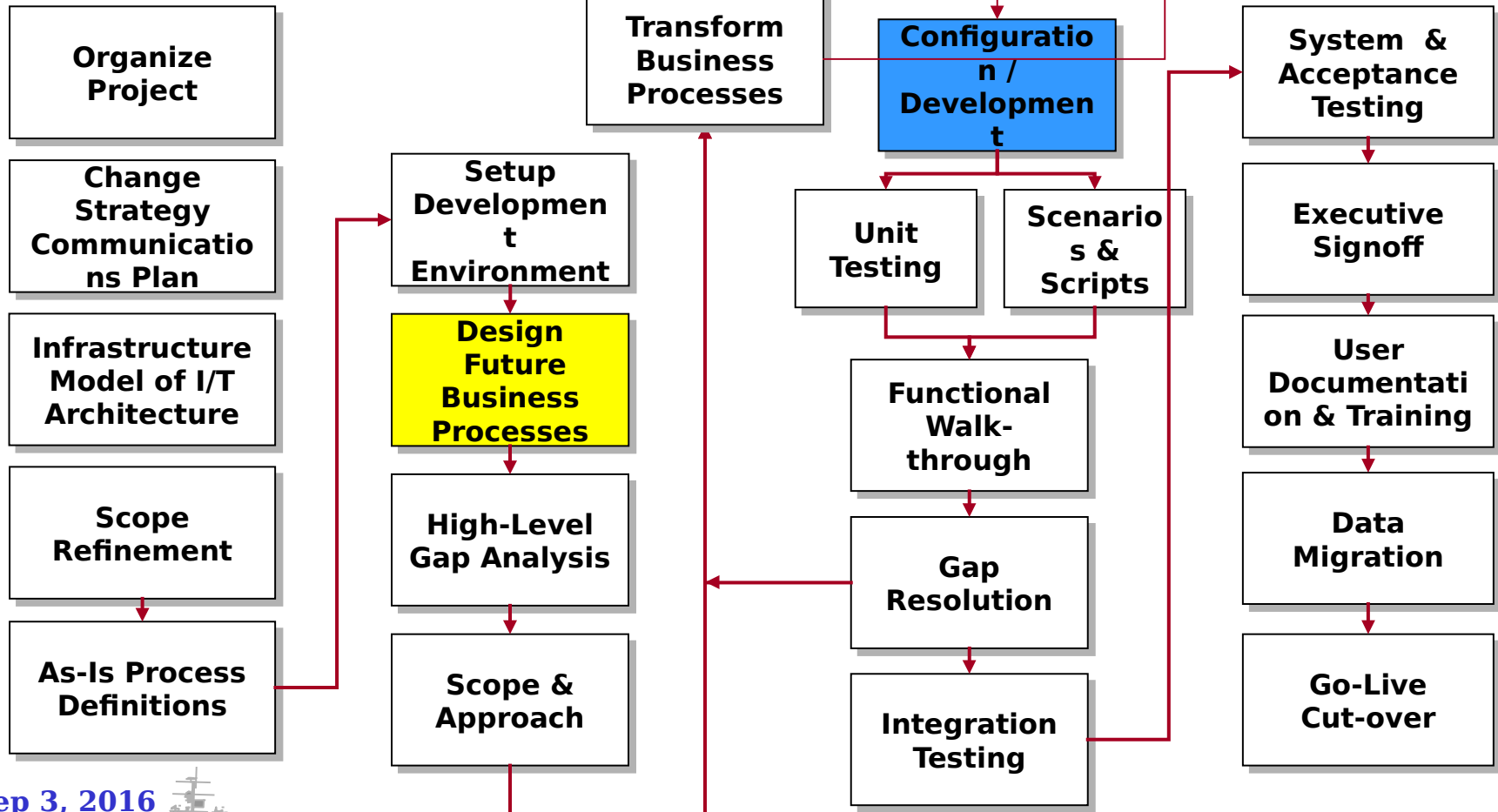
Phase A Development

PREPARE

**DESIGN/
REDESIGN**

CONFIGURE

DEPLOY





BUS 013(a) & BUS 11

- **High Level Process Flows, Bus 13 (a), delivered to activities 9 Feb 01**
- **Process Requirements Matrix, BUS 11, delivered to activities 23 Feb 01**
- **1770 Comments Received**
- **Will continue to receive and act on comments**
- **Resolution Conference scheduled 19-30 Mar 01**

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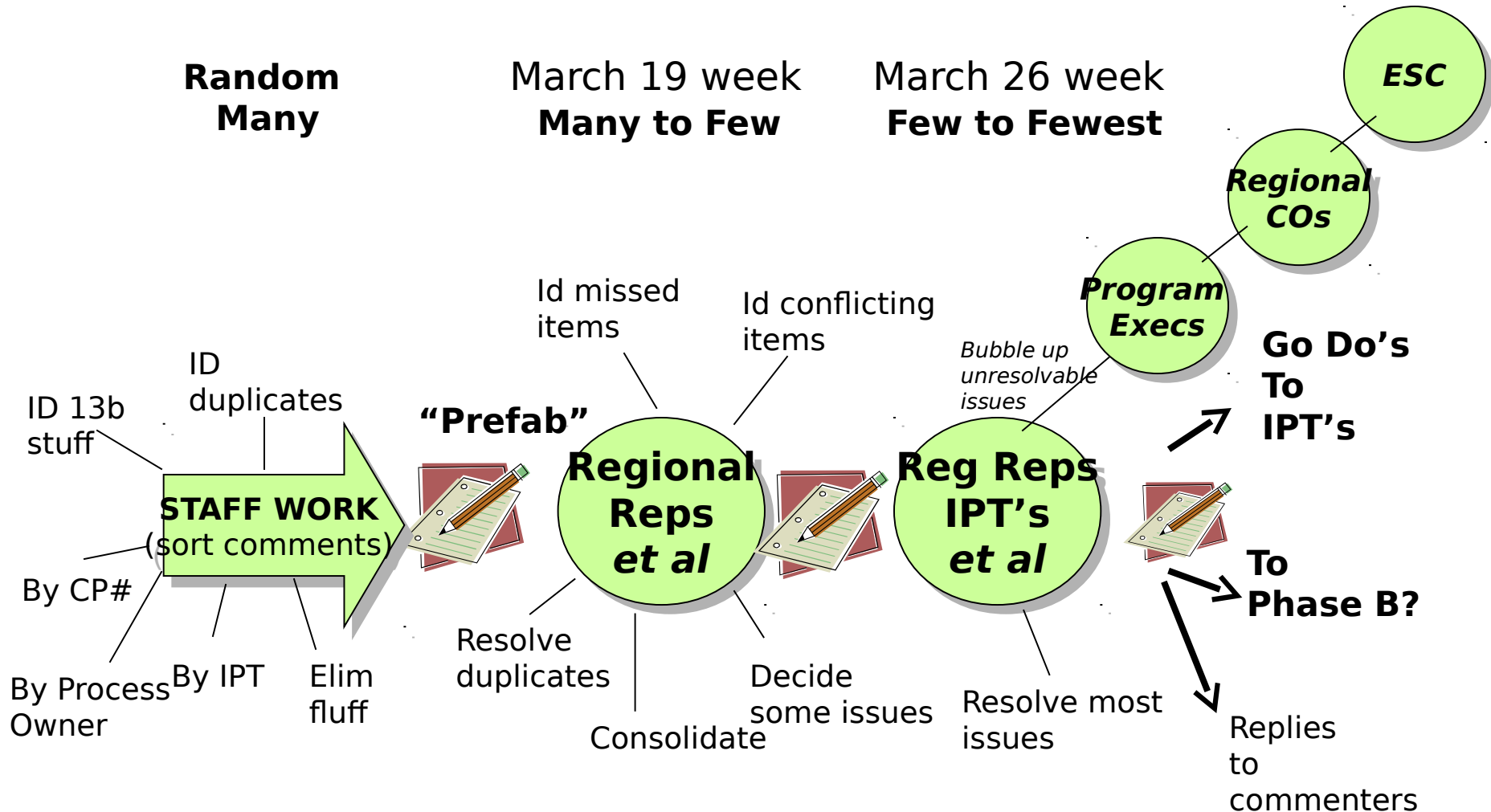


Resolving “To-Be” Process Comments

**Random
Many**

**March 19 week
Many to Few**

**March 26 week
Few to Fewest**





BUS-013b

- **Detailed Process Flow** mappable to SAP transitional-code (or comparable bolt-on action)
- Roles performing each step and access required
- SAP transaction ID, other bolt-on, manual steps
- Integration touchpoints (account posting, ABC specifications, etc.)
- Audit points in the flow
- Interfaces (temporary and permanent)
- Reports
- System Actions (batch jobs, etc. show frequency)
- Reference controlling regulation, procedure, etc.





BUS-013b (continued)

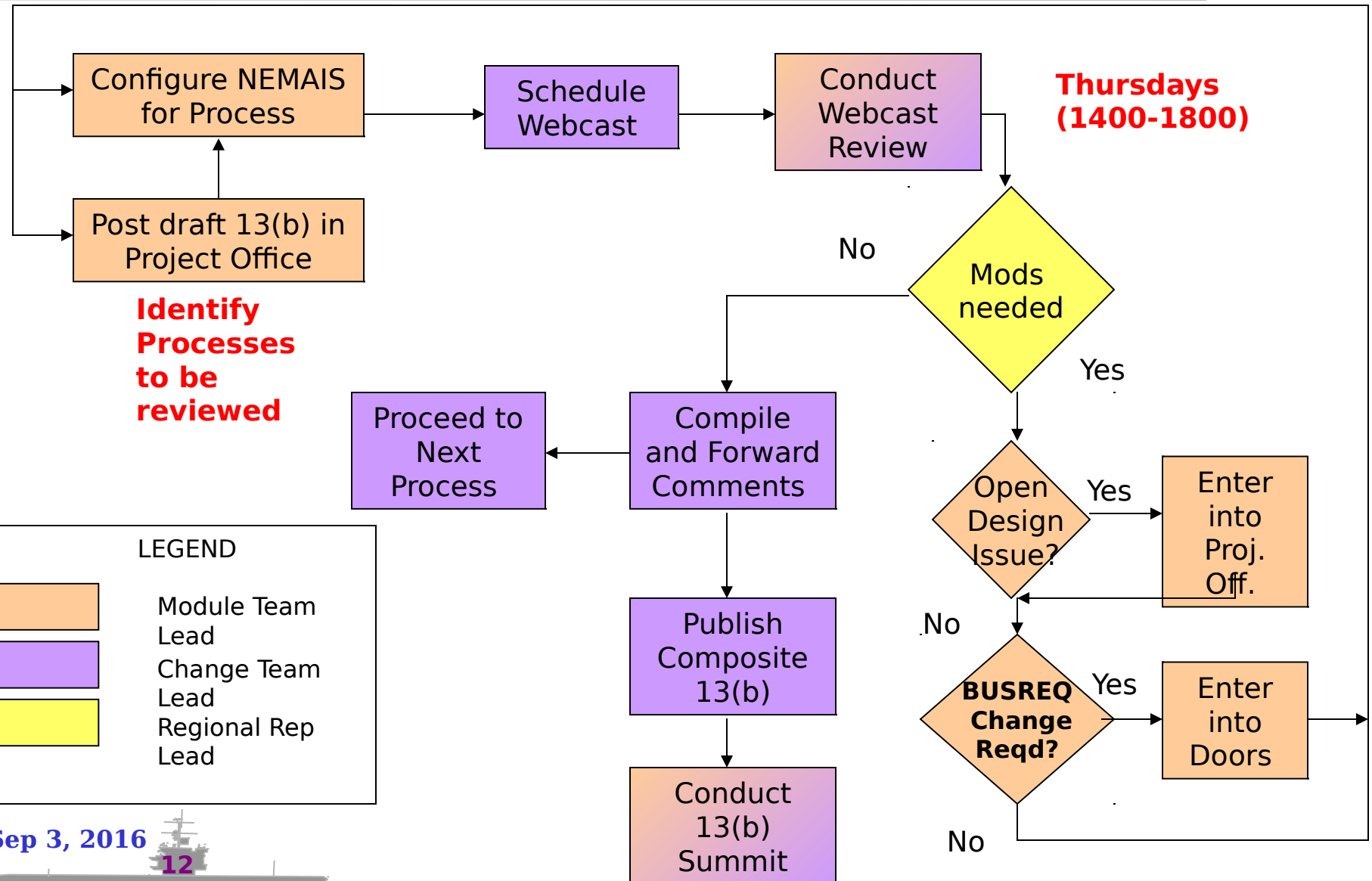
- **Performance metrics**
- **Situations, scenarios, conditions to be tested**
- **Data retention, archiving requirements, active data**
- **Special system requirements (logoff for inactivity, etc.)**
- **Identify any known changes to existing processes and procedures**
 - document suggested change (example: accept electronic signature)
 - explain benefits of change
 - include impact of not making change
 - create an Issue in Project Office to track progress on deviation

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BUS-013b Production Review Process





Process Details

**Produce “To Be”
Business Sub-
processes**



Use established template. Processes prioritized and coordinated between module teams. Attribute sheet with Navy sign-off.

**Configure NEMAIS
for
Process**



Module teams identify gaps. Open issues, prepare white papers. Subject to POPP#25 resolution.

**Schedule
Webcast**



Conducted on a frequent basis in late afternoon EST. Participation coordinated with Reg. Reps iaw demo content.

**Conduct
Webcast
Review**



Session led by demo team with module support:

- Demonstrate configured processes**
- Review “To Be” Business Sub-processes**
- Review attribute sheet**
- Elicit feedback, check for agreement**





Content Organization:

- **Frequent Presentations Led by Demo Team (Blue/Gold) with Module Team Support**
 - **2-4 hours in duration**
 - **Late PM EST**
 - **1/3 presentation and 2/3 discussion**
 - **Organized by business sub-processes**
 - **show integrated functionality as appropriate (FI/HR/etc.)**

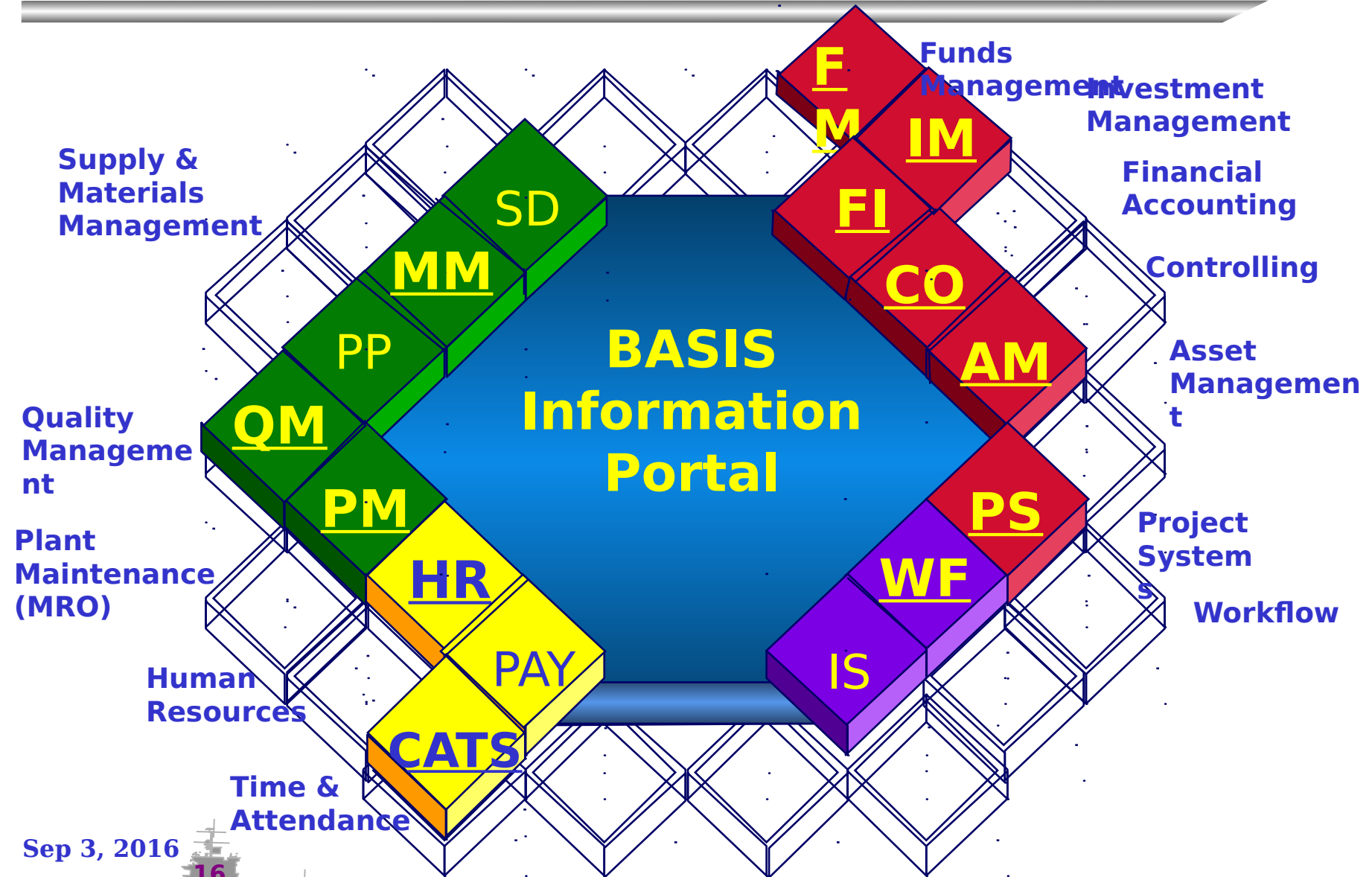




Regional Participation:

- **Coordinated by Change Management Team through the Regional Reps**
 - **Distribute detailed agenda of content on Monday for Thursday presentation**
 - **Regional Reps schedule appropriate stakeholders and SMEs**
 - **Change Management records and forwards meaningful comments to Module Leads with copy to Domain Managers**

SAP - An "Off the Shelf" Backbone





BUS 13(b) Processes

- **Asset Management.....9**
- **Controlling.....19**
- **Document Control....25**
- **Financial Accounting.21**
- **ABC.....1**
- **Funds Management...41**
- **Human Resources.....51**
- **Supply & Materials Management.....17**
- **Plant Maintenance.....11**
- **Project Systems.....10**
- **Quality Management.20**
- **Workflow.....1**
- **Other.....1**
- **Total.....227**

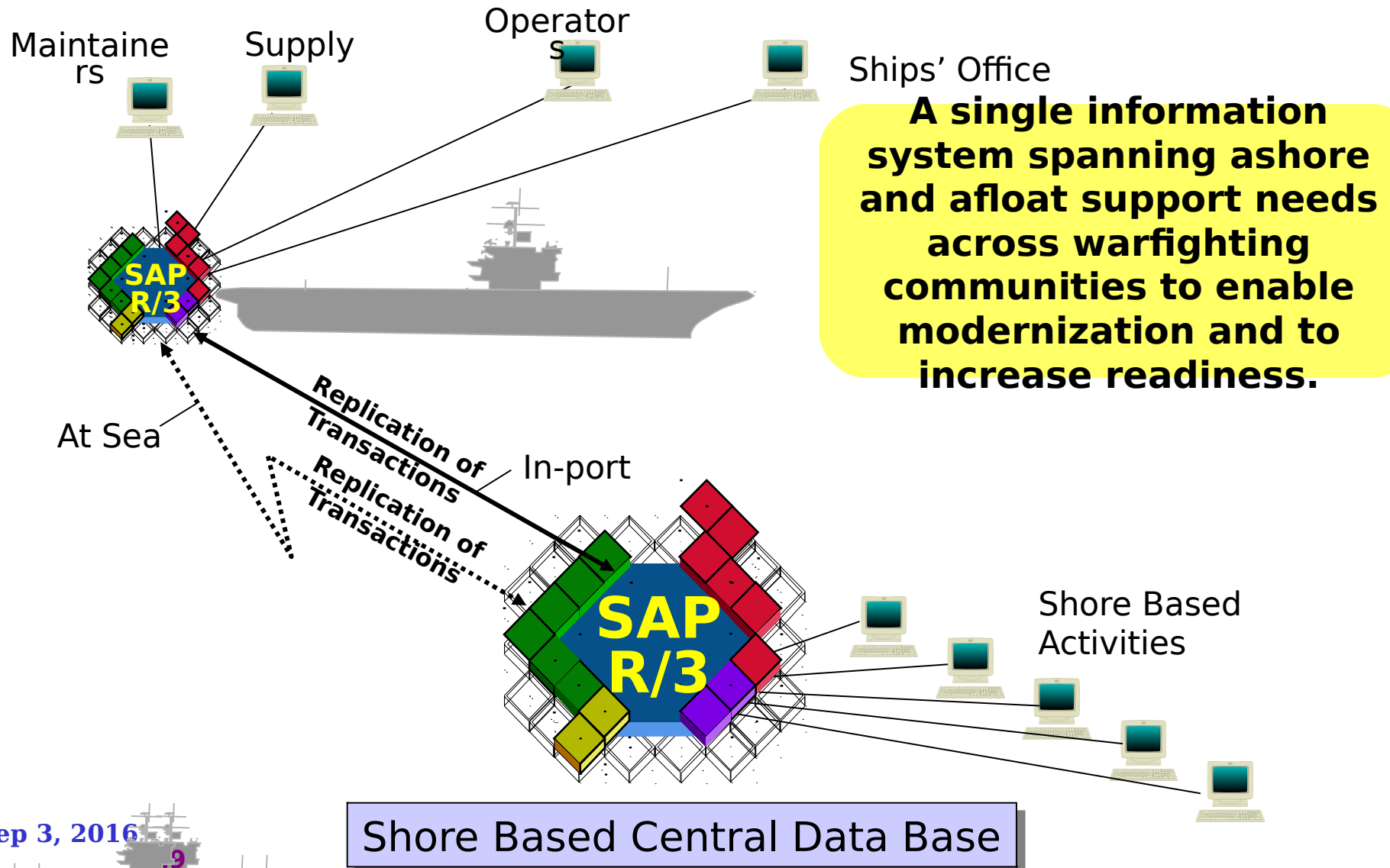


Phase A Legacy AIS Interface Review

- JEDMICS
- COST
- STARS-FL
- STARS-OP
- SLDCADA
- ARCMICS
- ATMS
- DCPDS
- DCPS
- NES/OPINS
- ISHRKS-MES
- QTMS
- SAEM
- WUPDESK
- DAASC
- FLIS
- HSMS
- MAT
- SPS
- UADPS
- UICP
- AIMxp
- MSWP-SUBMEPP
- RMAIS
- CDMDOA
- 3M DB



Afloat End State Vision





Afloat Goal

- **Implement an integrated enterprise solution afloat for maintenance, logistics, supply, finance, human resources, and administration, fully integrated with shore-based enterprise systems.**
- **Apply lessons learned from ISMSR/FRB direction to integrate maintenance and supply**
- **Enterprise Resource Planning (ERP) is about Business Process Reengineering and integration**
- **Three major business processes on board ships are:**
 - **Manage all work and the workforce**
 - **Administration and support of the crew**
 - **Reporting**





Principles/Assumptions/Constraints

- No tactical systems/processes will be considered
- All non-tactical on board systems and databases will be considered
- Security/classification is a requirement but not a criteria in scope/functional capabilities definition (IT Solution)
- Must include sensitive personnel data
- All actions requiring scheduling of events/work will be considered
- All maintenance functions will be considered
- All supply/financial functions will be considered
- All reporting, both on and off ship, will be considered
- Interface, bolt-ons, system sunsets are not addressed in requirements





End State Vision Requirements

Manage All Work and the Workforce

- Provide a management tool
- Manage maintenance actions
- Manage training and qualifications

Administration and Support of the Crew

- Manage Personnel Levels
- Manage Personnel Development
- Manage Service Records
- Manage Crew Support
- Manage Individual Family Support

Reporting

- Internal
- External





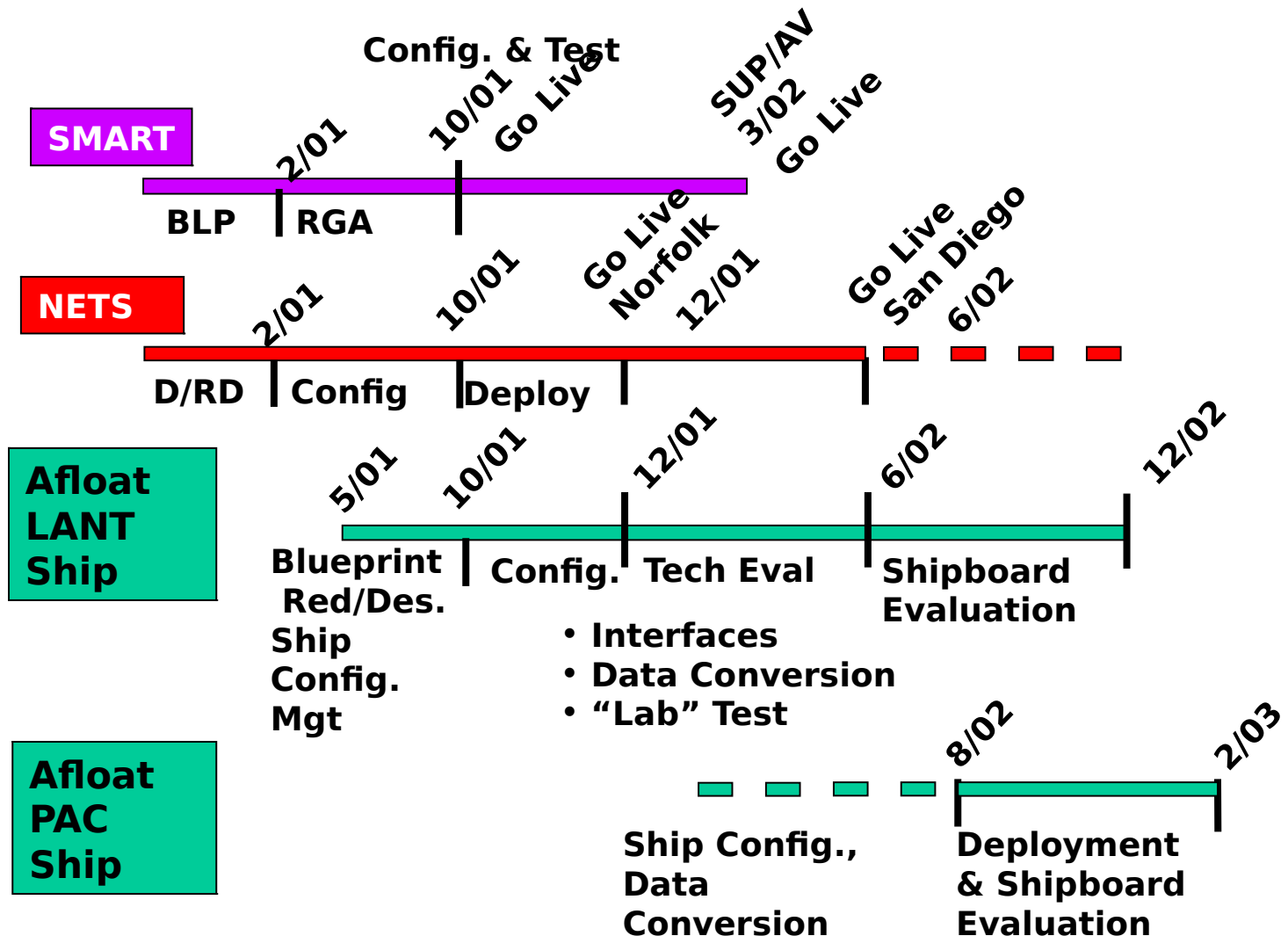
Training

- **CNET will be actively involved early in the development**
- **Training curriculum will be developed concurrently with SAP configuration**
- **Ship's Force training will be done immediately prior to and concurrent with installation**

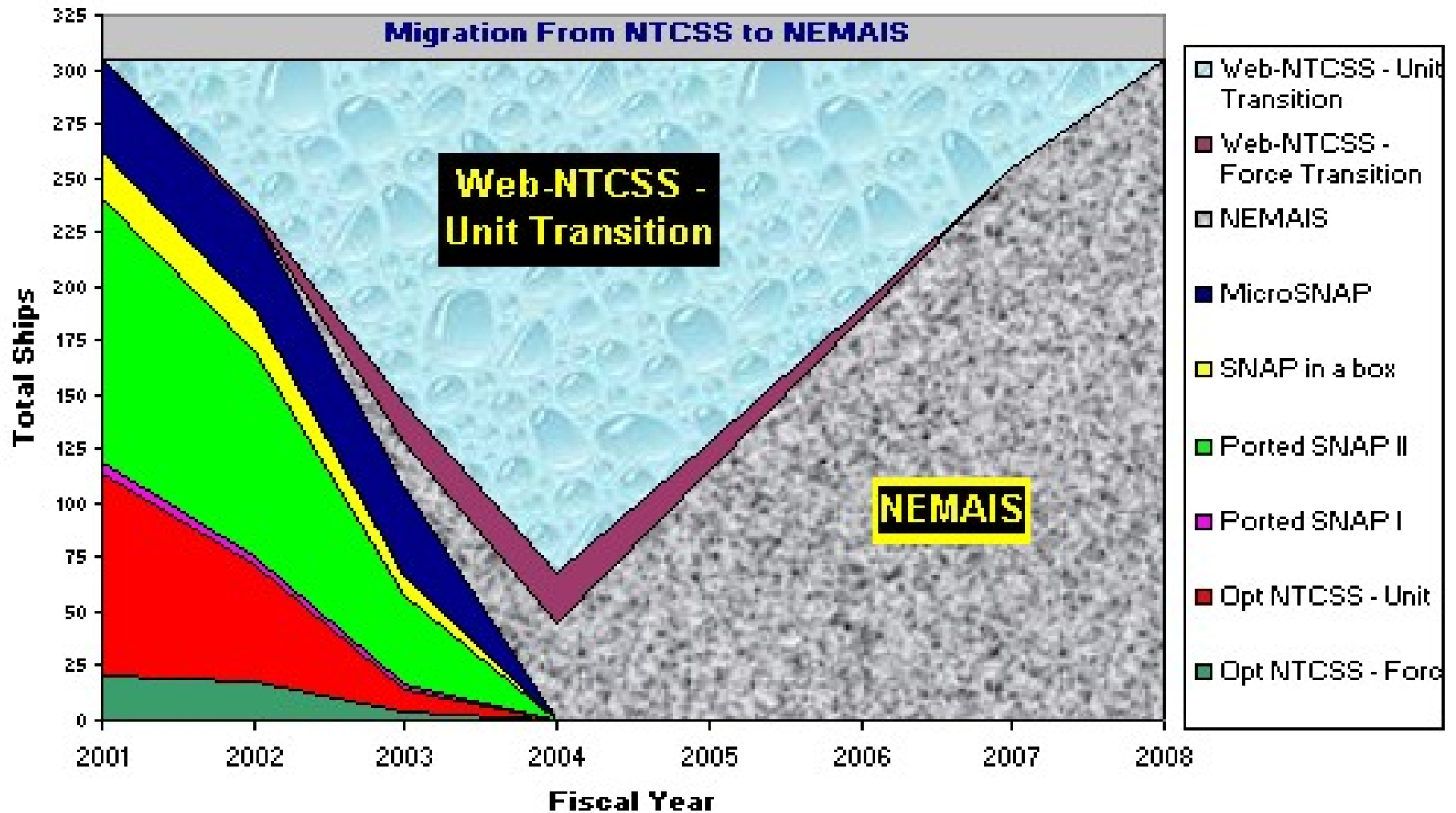




Notional Afloat Schedule: Proof of Concept



NTCSS to NEMAIS Transition





Other Navy ERP Projects

- **Program Management**
 - **NAVAIR lead**
- **Financial Management (NWCF)**
 - **SPAWAR SSC San Diego lead**
- **Aviation Supply and Maintenance**
 - **NAVSUP lead and NAVAIR support**
- **Regional Maintenance**
 - **NAVSEA and Fleet partners**



Cross ERP Communications

- **Regular meetings with Other ERPs**
Projects
 - **Finance**
 - **Supply**
 - **Human Resources**
- **DFAS providing input and oversight to Finance IPTs**
- **Legacy System Interfaces**





Questions?





Backup Slides





Preliminary Phase D - San Diego

SIMA

Basic Questions

What are the activities required ?

What can SIMA San Diego do to prepare ?

What are the roles for San Diego and Norfolk ?

What staffing requirements are there for San Diego and Norfolk ?

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Preliminary Phase D - San Diego SIMA

<u>Activities</u>	<u>Norfolk</u>	<u>San Diego</u>	<u>Dates</u>
Set up Project Management Office	Lead	Lead	By 06/01
Prepare Facilities	Consult	Lead	09/01-12/01
Organizational Assessment	Lead	Follow	09/01-12/01
Leadership Assessment	Lead	Follow	09/01-12/01
Disaster Recovery Strategy	Lead	Follow	10/01-12/01
Data Comm Norfolk and San Diego	Lead	Lead	10/01-12/01
Level I and Level II Training	Consult	Lead	10/01-12/01
Set up Data Center(Norfolk)	Lead	-	By 01/ 02
Detail Tech Assessment (Infrastructure)		Lead	Follow 01/02-02/02
Data Migration Study	Lead	Follow	01/02-02/02
Testing(Configuration/New Rqmts)	Lead	Follow	01/02-02/02
Validate Requirements	Consult	Lead	01/02-02/02
Data Loads	Lead	Follow	03/02-04/02
User Training	Consult	Lead	04/02-07/02
Additional Interface Requirements	Lead	Follow	04/01-05/01
Additional Configuration	Lead	Follow	03/02-04/02
Demo of Phase "A"	Lead	Follow	01/02 -06/02
User Authorizations	Lead	Follow	04/02 -05/02
Ditscap(Security)	Lead	Follow	01/02-06/02

Phase D Manning - San Diego

NAVSEA NEMAS - PHASE "D" - SAN DIEGO SIMA IMPLEMENTATION							Consultants				Navy		
Consultant & Government Staffing Plan (FTE)													
	Advance Planning, Preparation & Training						Design/Redesign		Configuration		Roll-out		
JOB ROLE	Month 01	Month 02	Month 03	Month 04	Month 05	Month 06	Month 07	Month 08	Month 09	Month 10	Month 11	Month 12	
JOB ROLE	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01	Jan-02	Feb-02	Mar-02	Apr-02	May-02	Jun-02	Total
Phase "D" Project Manager							1.0	1.0	1.0	1.0	1.0	1.0	6.0
Phase "D" Deputy Project Manager							1.0	1.0	1.0	1.0	1.0	1.0	6.0
SIMA ERP Project Manager	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
Engagement Domain							5.0	5.0	5.0	5.0	4.0	4.0	28.0
Engagement Domain							5.0	5.0	5.0	5.0	4.0	4.0	28.0
IT Infrastructure Domain				3.0	3.0	3.0	6.0	6.0	6.0	8.0	8.0	8.0	51.0
IT Infrastructure Domain				3.0	3.0	3.0	5.0	7.0	7.0	17.0	17.0	10.0	72.0
Bus Transformation Domain (SMEs)							5.0	5.0	5.0	5.0			20.0
Bus Transformation Domain (PEBTs)							2.0	2.0	2.0	2.0			8.0
Bus Transformation Domain (SMEs)							3.0	3.0	3.0	3.0			12.0
Implementation Domain							8.0	8.0	8.0	8.0	8.0	8.0	48.0
Implementation Domain													0.0
Integration Domain (Data Migration)							3.0	3.0	3.0	3.0			12.0
Integration Domain (Reqmts & Config.)							3.0	3.0	3.0	3.0			12.0
Integration Domain (Data Migration)							3.0	3.0	3.0	3.0			12.0
Integration Domain (Reqmts & Config.)							3.0	3.0	3.0	3.0			12.0
Change Management Domain			3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0	6.0	6.0	48.0
Training								2.0	2.0	2.0	2.0	2.0	10.0
Change Management Domain			3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0	6.0	6.0	48.0
Training								8.0	8.0	8.0	8.0	8.0	40.0
TOTAL RESOURCES PER MONTH	1.0	1.0	4.0	10.0	10.0	10.0	60.0	62.0	62.0	74.0	50.0	43.0	485.0
Total Consultants	0.00	0.00	3.00	6.00	6.00	6.00	35.00	35.00	35.00	37.00	28.00	28.00	229.00
Total Government	1.00	1.00	4.00	7.00	7.00	7.00	23.00	25.00	25.00	35.00	28.00	21.00	224.00
Average # of Consultants per month													19.08
Average # of Government per month													18.67



Manning Assumptions

NAVSEA NEMAIS - PHASE "D" SIMA San Diego Implementation - Preliminary Planning & Estimating

Assumptions Used in the Plan Estimate:

A. General

1. Implementation to follow SIMA Norfolk Implementation
2. Data center to be set-up by 1 Jan 2002

B. Methodology

1. The implementation will be conducted as a "Rapid" Implementation for Roll-out purposes
2. "Rapid" Design-Redesign/Configuration/Roll-out methodology does not call for the creation of documents that would be subject to POPP 25

C. Resources

1. Center of Excellence funded throughout Program: (Consultants & Navy Counterparts)

a. Project Exec	f. BT Manager
b. Deputy Proj Exec	f. (1) BT 5 IPT Leads
c. Business Manager & Staff Support	g. Implementation Manager
d. Engagement Manager	g. (1) 8 Module Leads
e. IT Mgr	h. Integration Manager
e. (1) IT Support for existing Data Center	i. Change Manager
2. IT Infrastructure Development support will be different for Afloat to support different architecture challenges

a. Data Communications	d. Basis
b. Security	e. Hardware
c. ALE	
3. Navy personnel are SAP L2 trained before the start of the Project (Jan 02)
4. Includes dedicated (NETS) Government resources, not peripheral community involvement.
5. PM Office is 15% of total effort.
6. If additional interfaces are required, staffing may need to be increased to support them.
7. FTEs will be assigned to the respective domains and will be managed by personnel in the Center of Excellence.
8. Matrix Management will be introduced. Phase "D" Project Manager and a Deputy Phase "D" Project Manager
9. Setup of permanent data center is not included in manning.

Proposed Staffing Strategy

Project Managers

